

Uninterruptible Power System (UPS) FA00124

All IntelliPower systems utilize circuit boards, chassis, components and construction techniques that are specifically designed for extreme environments—rugged, challenging thermal and/or shock and vibration applications. Our digital, double conversion on-line UPS, power conditioner and frequency/voltage converter solutions utilize high-efficiency power switching and galvanic isolation, which provides ideal electrical output performance. Our standard build practices have enabled certified compliance to a number of performance standards for select models and product families. IntelliPower systems have proven performance in a wide range of key rugged military programs within the Army, Air Force, Navy and Marines. IntelliPower products are designed and manufactured in the USA, which means shorter lead times from design to shipping, as well as a level of personalized service unequaled in the marketplace.



Uninterruptible Power System (UPS)

Part #:	FA00124	102121
Model #:	IHT3KRM-M-3kw-115v-Isol-120v-4U25lm	
Unit Description:	3KVA, 3.0KW Double Conversion, On-Line, Isolated, UPS with 115VAC, 60Hz Input, 120VAC, 60Hz Output, Power Factor Correction, Multiple Relay Contact Status Signals and Internal Automatic Bypass for Navy Shipboard Applications.	

INPUT RATINGS

Input AC Voltage 1 (AC Voltage, tolerance):	115 VAC, (-20% +20%)
Input AC Voltage 2 (DC Voltage, tolerance):	120 VAC, (+/-3%)
Input Frequency 1 (Hz, tolerance):	60 Hz, (+/- 5 Hz)
Input Frequency 2 (Hz, tolerance):	60 Hz, (+/-3 Hz)
Input Max Current with Inverter Output (Amps):	41.99 Amps
PFC Feature:	Input power factor correction
Breaker & Switch Input 1 & 2 (type, location):	2P35A, toggle

OUTPUT RATINGS

Power Rating (VA, Watts):	3000 VA, 3000 Watts
Output AC Voltage 1 (AC Voltage, tolerance):	120 VAC, (+/-3%)
Output DC Voltage (DC Voltage, tolerance):	DC

(continued)

Output Frequency 1 (Hz, follower/changer):	60 Hz, (+/-3 Hz), changer
Isolation (galvanic isolation/non-isolated):	Galvanic Isolation
Neutral Bonded to Ground (bonded/un-bonded/switch):	Unbonded
Breaker & Switch AC Output 1 (type, location):	1 each 1P2.0A, push to reset
Breaker & Switch AC Output 2 (type, location):	1 each 1P4.0A, push to reset
Breaker & Switch AC Output 3 (type, location):	1 each 1P1.0A, push to reset
Breaker & Switch AC Output 4 (type, location):	1 each 1P3.0A, push to reset
Overload – Shutdown or Bypass (shutdown/bypass, %):	Bypass at 105%
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	4U, rack mountable; 7 x 17 x 25 inches (Height x Width x Depth)
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum, powder coated navy gray
Enclosure Airflow (front to rear/front to side/other):	Front to rear
Enclosure – Special (IP65/Zone 1):	N/A
Weight:	TBD
Fan Filters (EMI/dust/combination/grill):	Dust and EMI
Conformal Coated PCBAs (yes/no):	Yes
INTERFACE COMMUNICATIONS	
Communications (SNMP2/SNMP3/RS232, type):	RS-232, opto-isolated
Discrete (Relay/Opto, Description):	Circular Mil: unit fail, battle short
ADDITIONAL ELECTRICAL FEATURES AND CONTROLS/INTERFACE	
Auto Start (manual start/auto start):	Auto Start
Cold Start Switch (yes/no):	No
CONNECTORS	
Connector(s) AC Input 1 (type, location):	1 each Circular Mil, panel mounted, rear
Connector(s) AC Input 2 (type, location):	1 each Circular Mil, panel mounted, rear
Connector(s) AC Output 1 (type, location):	8 each Circular Mil, panel mounted, rear
Connector(s) EBP/Charger (type, location):	N/A
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V2.9Ah Pb-Acid
Battery Total Quantity:	8
Battery String Voltage:	96 VDC
Battery String (number of strings, quantity per string)	1, 8
Battery Minimum Run Time (approx. run time at #watts):	Approximately 1 minutes at 3000 Watts
Battery Mounting (hot swap/fixed):	Hot swap
EMI and ENVIRONMENTAL	
Application (shipboard/airborne/ground/all):	All
Operating Temperature:	0°C to +50°C
Humidity:	5-95%, non-condensing

Specifications subject to change without notice.



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